

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

690 Walnut Ave.St. 150

Vallejo, CA 94592-1133

(707) 649-5453

(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-025570**Date Inspected:** 13-Jul-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Li Yang ZPMC**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Trial Assembly Yard OBG 13AW**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector Robert A. DeArmond was present during the time noted above and conducted observations relative to the work being performed.

**TRIAL ASSEMBLY YARD****Ultrasonic Testing (UT)**

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. All components were as listed on NWIT notification no. 09708. The member(s) is/are identified as OBG 13AW Gusset to Web Plate. The weld designations reviewed are as follows

CA3015-025, 029, and CA3016-057, 061

**Magnetic Particle Testing (MT) ABF Weld Tracking**

This QA inspector observed MT performed by ABF of weld joint(s) located on lift 13AW, SEG3013AT, AU, AX, AV, and T PP119~PP119-1500 Stiffener to Floor Beam, Gusset to Top Bearing Plate, and Gusset to Floor Beam. All components were as listed on NWIT notification no. 09716. Magnetic Particle Testing (MT) performed by ABF was not complete due to paint not being removed from test surface and visual rejects discovered by ABF / CT

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract

---

# WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

documents.



## Summary of Conversations:

As mentioned above between QA and QC concerning this project

## Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, 150000422372, who represents the Office of Structural Materials for your project.

---

<b>Inspected By:</b>	DeArmond,Robert
----------------------	-----------------

Quality Assurance Inspector
-----------------------------

---

<b>Reviewed By:</b>	Riley,Ken
---------------------	-----------

QA Reviewer
-------------